

Title (en)

METHODS FOR SECURE AND BANDWIDTH EFFICIENT CRYPTOGRAPHIC SYNCHRONIZATION

Title (de)

VERFAHREN ZUR SICHEREN UND BANDBREITENEFFIZIENTEN KRYPTOGRAPHISCHEN SYNCHRONISATION

Title (fr)

PROCEDES DE SYNCHRONISATION CRYPTOGRAPHIQUE FIABLES ET EFFICACES EN LARGEUR DE BANDE

Publication

EP 1922836 A1 20080521 (EN)

Application

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Priority

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Abstract (en)

[origin: WO2007030074A1] Methods for cryptographic synchronization of data packets. A roll-over counter (ROC) value is periodically appended to and transmitted with a data packet when a function of the packet sequence number equals a predetermined value. The ROC effectively synchronizes the cryptographic transformation of the data packets. Although the disclosed methods are generally applicable to many transmission protocols, they are particularly adaptable for use in systems wherein the data packets are transmitted to a receiver using the Secure Real-Time Transport Protocol (SRTP) as defined in Internet Engineering Task Force (IETF) Request for Comments (RFC) 3711.

IPC 8 full level

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CPC (source: BR EP US)

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